SEQUENCE LISTING

<110> Greaves, David
Thomsen, Lindy
Ford, Martin
Catchpole, Ian Richard

<120> DNA Constructs Based On The elF4A Gene Promoter

<130> PG3717

<140> 10/019,800 <141> 2002-01-04

<150> PCT/GB00/02569 <151> 2000-07-06

<150> GB9915638.2

<151> 1999-07-06

<150> GB9929547.9

<151> 1999-12-14

<160> 62

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 1

atctggtacc ctacgatatc gctgttgatt tc

<210> 2

<211> 29

<212> DNA

32

<213> Artificial Sequence	
<220>	
<223> Primer	
<400> 2	
atctggtacc tggaggctga gacctcgcc	29
<210> 3	
<211> 30	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Primer	
ZZZZZ TTTMET	
<400> 3	
atctggtacc atggctgcca ggcctcgagg	30
<210> 4	
<211> 26	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Primer	
<400> 4	0.6
atctggtacc ggctgcgggg cgggcc	26
<210> 5	
<211> 30	
<212> DNA	
<213> Artificial Sequence	
•	
<220>	
<223> Primer	
<400> 5	
atctggtacc taggaactaa cgtcatgccg	30
<210> 6	
<211> 30	

```
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<400> 6
                                                                     30
atctggtacc gttgctgagc gccggcaggc
<210> 7
<211> 29
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<400> 7
                                                                     29
atctggtacc aaaccaatgc gatggccgg
<210> 8
<211> 31
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<400> 8
                                                                     31
atctggtacc cgggcgctct ataagttgtc g
<210> 9
<211> 30
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<400> 9
                                                                     30
atataagctt tgatccttag aaactagggc
<210> 10
```

	<211> 27	
	<212> DNA	
	<213> Artificial Sequence	
	<220>	
	<223> Primer	
	<400> 10	
	atctggtacc gactggattt ccaccag	27
	<210> 11	
	<211> 25	
	<212> DNA	
	<213> Artificial Sequence	
	<220>	
	<223> Primer	
	<400> 11	
	atctggtacc acccagggcc acagg	25
	<210> 12	
	<211> 25	
	<212> DNA	
	<213> Artificial Sequence	
	<220>	
	<223> Primer	
	<400> 12	2.5
	atctggtacc tgtggccctg ggtgg	25
	(21.0), 1.2	
	<210> 13	
د	<211> 30	
_	<212> DNA	
	<213> Artificial Sequence	
	<220>	
	<223> Primer	
	<400> 13	
	atctaagctt cccggtaaga aaggcatttg	30
	acceaaycee cocyycaaya aayycaceey	30

.

```
<210> 14
<211> 30
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<400> 14
                                                                     30
tctaagcttg gatctgttgg tttaaagcat
<210> 15
<211> 38
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<400> 15
atctaagctt gtcgaccccg aaggcgtcat cgaggtga
                                                                     38
<210> 16
<211> 31
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<400> 16
                                                                     31
atctaagctt gaattctagg ggatgcaaag a
<210> 17
<211> 27
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<400> 17
atctaagctt gtatcaaggg tgagacc
                                                                     27
```

```
<210> 18
<211> 31
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<400> 18
                                                                    31
atctaagctt cataacctaa acaaataaat t
<210> 19
<211> 28
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<400> 19
                                                                    28
atctaagctt ctcagcaggt aagagtgg
<210> 20
<211> 34
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<400> 20
atctaagctt gaattccctt ctgtatctga gcag
                                                                     34
<210> 21
<211> 27
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
```

<400> 21

atctaagctt tgctggtttc tctctgg	21
<210> 22	
<211> 33	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Primer	
<400> 22	2.2
atctaagctt gaattcgggc tagagaagaa aaa	33
2010× 02	
<210> 23 <211> 26	
<212> DNA	
<213> Artificial Sequence	
(215) American coquence	
<220>	
<223> Primer	
<400> 23	
atctaagctt cccaggtgag ggcagt	26
<210> 24	
<211> 35	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Primer	
<400> 24	
atctaagctt gaattcagca aaactaccta gtgga	35
acocaagoso gaassoagoa aaassassa gegga	
<210> 25	
<211> 27	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Primer	

```
<400> 25
                                                                     27
atctaagctt cgtggaacga gaggtgg
<210> 26
<211> 34
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<400> 26
                                                                     34
atctaagctt gaattccttc cactcctgga ggtt
<210> 27
<211> 27
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<400> 27
                                                                      27
atctaagctt tggtgtgttt gccccct
<210> 28
<211> 35
<212> DNA
<<213> Artificial Sequence
<220>
<223> Primer
 <400> 28
                                                                      35
 atctaagctt gaattctgct ggaagagaaa acaaa
 <210> 29
 <211> 29
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Primer
```

```
<400> 29
                                                                  29
atctaagctt ctgacctgct ggtgagtag
<210> 30
<211> 33
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
<400> 30
                                                                  33
atctaagctt gcctctggcc tacgtcaaga aag
<210> 31
<211> 1396
<212> DNA
<213> Homo sapiens
<220>
<221> Unknown
<222> (1117)
<223> Primer
<223> n is uncertain
<400> 31
qtaaqaaaqq catttqcaaq agattqtggc tgcttatttt gccgccccct tccgacgggc 60
ccgccggggg tagctgagag gcccaccagg gttgcgggag aaaccgaacc gggtgggggg 120
agggtccgac ttggaggggc gagggggaag acccacggcc gacgcggcca ccaggtcgag 180
gcggagggta gggacagccc ggctagggtc aggcgtgcga ggtctgttac gaggcctcga 240
cccgaggcgg tgccatgcgc gaagccccgg cgctgagtgg cgagacgggg tcgcgacctg 300
gcgtgggaaa gaaaggtgga ggcggccgcc actatgtgtg gcccagagcc ggcaggtccg 360
gttgcctccc tgtgccgggg gagggacggc gcgcggggtt ccggagcatt ctgacggtac 420
cactogogag aggoggggt gootggtoot tagatocagt cacttogtog oggotaaaac 480
acqqqtcqqq gagaagaaac cqqccqttca qtqtqctqqt tttcttqacq qccaqqactq 540
agectaacce egaggagegg eegegtgagg caceaggage eeaceeggeg eegggeggge 600
gggtccattt tgccgcacaa gccgggctat tggcaaactg cggatgggca ggtccacctt 660
ccttcggggg tgagcgcct gaggtatggg agggcgacgc tacttcgcga cgggggcggg 720
cgggatgtgg attgttccat ggaggggtgg gagacrccgc cgggtggtcg arggagcgag 780
cacatggtgg cctgaggcgt tcccctcccc cagtctgctt cgcttctaag tgttgtgcaa 840
tetececett tgetageteg gettgggete attgtgegeg aggeegeeae egeeegegge 900
ctcccacatc cgggcaacgc gaggggggg cttcggctgg agggagtggg ggagggcgcg 960
```

```
ggcgggatga cgtgggggga aggggatgtc ctaccctccg atctgggagg tgaagggcgg 1020
gacttccagc gcgctggtgc tgcggtggga ggtgcacgcg cttgggcttt aagcggctgg 1080
gtcgggccca cgtggacccg gcggcaagca ccacctntgg gcaccgtgag cgcggcggca 1140
cgcctgccgg cctgtcttca gaaagggtca cccccttatg tcgggggtgg cctggcctga 1200
gccgctgcct gcatggggca aatgcctcag ttttatagaa actcctcctt tgggtatttt 1260
ttgggagctg gtgggagttg gatctgggac agcaggttga tggcatcatg caggccactc 1320
ctgacagagc ccggctgtca ggatttctga gtgcttcggt cgggcagggg acaaaactta 1380
                                                                   1396
tgctttaaac caacag
<210> 32
<211> 627
<212> DNA
<213> Homo sapiens
<220>
<223> Primer
<400> 32
gtgagactgg agaaatggaa ttctgtcctc ccccattaca actttcagcc gtatagagtt 60
agagtggcct cttgattgat ttcccagatc atctagaagc agctggtttc cctaaaggga 120
ggagggttgt aagctctgag gcttttgtta rtasgcacca sattctgttt gctcggagac 180
tacageteag etecacettt tecatgaete aagetttaat ttetttgeat eecetaggtg 240
agacctetea gteccagatg eccateteat ateagecagg gaeaaageaa eteettgtte 300
atoccagott ggottttgat cogtgoccat gootggttca tgccttggac acataggttt 360
cctttaaaga ggtggtattg tagccagctt atatttgcat ctacagccat gtttctagtc 420
cagcttggtg tgcaatacta gatgagttaa taactggtcc ttgtttctga tctggttccc 480
attgtgtaac tgtgttgatt gggaaggtag tttgtgagcc atgaaatgct tggttcattg 540
gttgcttatt gacctcatta acctaggact tgaatatccc aaagggtatg ctctttacca 600
                                                                   627
cattcaactc ctaatttatt tgtttag
<210> 33
<211> 363
<212> DNA
<213> Homo sapiens
<220>
<223> Primer
<400> 33
gtgagtaatt cggttctcca atcccctggg tcactttgct cttgtgcacg ctttccagtc 60
tttcagcgta agccagagtc attcccaagg atgctggttt ctctctgggg gaagagctgc 120
tetgtgatgg ageceatgeg tgteatetga geetetgget teeetgeeag tgeagecetg 180
gcagtgtcct acttcccagg gctgttgtct gcctggcggg aaggtcctgg gcaaaggatc 240
```

agtetttgta etetgagage agactaettg geteetetet gttttttate agegaagttg 300 gatatatete teccaeattt ecetaateat atgetatata ttggettttt ttttettete 360 363 tag <210> 34 <211> 179 <212> DNA <213> Homo sapiens <220> <223> Primer <400> 34 gtgagggcag tcttgcttga atagctaatg attcttgaaa aatagtaagt gccaggggaa 60 accaaatact ggattettga geetttttat geatetgett eagttttagg tgtggetagg 120 gaagggagca ggcctcagga aggaaccagc actctaagac tggccttttt ttccactag 179 <210> 35 <211> 81 <212> DNA <213> Homo sapiens <220> <223> Primer <400> 35 gtggggccca gtgcaggagg cgggcctggt agtgagttgt tgggtatagc ccctgactga 60 tttttgtccc ccaacctcca g <210> 36 <211> 248 <212> DNA <213> Homo sapiens <220> <223> Primer <400> 36 gtgagtagag ggaactgata gcaaaggcag aagggaggat ccaaggtgat tccctctcca 60 aggggacatc agtgcctctc aggaaagtag cagcttggaa tagaatctgg catgcctaag 120 geetttgggg aactgggatg ettattteet etgeetteet tggetgeeca catggatgee 180 taagtgtctt ccctccggga tagagtgtcc tccgtgcaca tgctgaagag ttgtctttct 240 248 tgacgtag

```
<210> 37
<211> 419
<212> DNA
<213> Homo sapiens
<220>
<223> Primer
<400> 37
ctacgatate getgttgatt teetteatee eetggeacae gteeaggeag tgtegaatee 60
atctctgcta caggggaaaa acaaataaca tttgagtcca gtggagaccg ggagcagaag 120
taaagggaag tgataacccc cagagcccgg aagcctctgg aggctgagac ctcgccccc 180
ttgcgtgata gggcctacgg agccacatga ccaaggcact gtcgcctccg cacgtgtgag 240
agtgcagggc cccaagatgg ctgccaggcc tcgaggcctg actcttctat gtcacttccg 300
taccggcgag aaaggcgggc cctccagcca atgaggctgc ggggcgggcc ttcaccttga 360
taggcactcg agttatccaa tggtgcctgc gggccgatgt ctgcgagcca ggattcccg 419
<210> 38
<211> 564
<212> DNA
<213> Homo sapiens
<220>
<223> Primer
<400> 38
ctacgatatc gctgttgatt tccttcatcc cctggcacac gtccaggcag tgtcgaatcc 60
atctctgcta caggggaaaa acaaataaca tttgagtcca gtggagaccg ggagcagaag 120
taaagggaag tgataacccc cagagcccgg aagcctctgg aggctgagac ctcgccccc 180
ttgcgtgata gggcctacgg agccacatga ccaaggcact gtcgcctccg cacgtgtgag 240
agtgcagggc cccaagatgg ctgccaggcc tcgaggcctg actettetat gtcaetteeg 300
taccggcgag aaaggcgggc cctccagcca atgaggctgc ggggcgggcc ttcaccttga 360
taggcactcg agttatccaa tggtgcctgc gggccggagc gactaggaac taacgtcatg 420
ccgagttgct gagcgccggc aggcgggcc ggggcggcca aaccaatgcg atggccgggg 480
cggagtcggg cgctctataa gttgtcgatg ggcgggcact ccgccctagt ttctaaggat 540
                                                                   564
catgtctgcg agccaggatt cccg
<210> 39
<211> 578
<212> DNA
<213> Homo sapiens
```

```
<400> 39
ctacgatate getgttgatt teetteatee eetggeacae gteeaggeag tgtegaatee 60
atctctgcta caggggaaaa acaaataaca tttgagtcca gtggagaccg ggagcagaag 120
taaagggaag tgataacccc cagagcccgg aagcctctgg aggctgagac ctcgccccc 180
ttgcgtgata gggcctacgg agccacatga ccaaggcact gtcgcctccg cacgtgtgag 240
agtgcagggc cccaagatgg ctgccaggcc tcgaggcctg actcttctat gtcacttccg 300
taccggcgag aaaggcgggc cctccagcca atgaggctgc ggggcgggcc ttcaccttga 360
taggcactcg agttatccaa tggtgcctgc gggccggagc gactaggaac taacgtcatg 420
ccgagttgct gagcgccggc aggcgggcc ggggcggcca aaccaatgcg atggccgggg 480
cggagtcggg cgctctataa gttgtcgatg ggcgggcact ccgccctagt ttctaaggat 540
                                                                  578
catgtctgcg agccaggatt cccgmtsraa srgnassr
<210> 40
<211> 5318
<212> DNA
<213> Homo sapiens
<220>
<221> Unknown
<222> (4112, 4242, 4252, 4272, 4289, 4484)
<223> Primer
<223> n is uncertain
<400> 40
gcggccgcat aatacgactc actataggga tctaggaagg cctctcatag ctgagacgtg 60
aatgatgagc agccagccat gcgcagacct gggaatagca agtacacaag acccatagtg 120
aaaaaccatg gctgaggaac agagggcttg tgggggtgac ctgtgtagtt ggcgcagagt 180
gagcaaaggg agatggatac aaaattcggt cagagagtag atcatgtaag acatgtacgg 240
taggctgagg aggggggatt ttattgcgtg tatactgaga agccattgag ttttaagcag 300
gctgagaagt gccttctgtt ttaaactcct gtttcaatga cagattgaaa ggggggcaag 360
aatggaagca ggaacagagc acagtagtcc aggtgagaaa cttgaactgg agtgctaaag 420
gaagagagag agagtagttt tatgtaggat aaattttacg agtaaaacca gtaggactga 480
caggetetgt gatactgaga gatacatatt tgteteetga eeaggeteet ggeatteaac 540
ttctaaaatc cttggaatct ccagtgatgt gtgtttttgt gtgctgatga gttgattcat 600
qqctaqcccc tctaggtggc ttcatgatta gagggttgga actttcagcc tcaccccac 660
caacttcctg ggaggggaat ggggccaaag gttaaggcaa tcactgagga tcagtgattt 720
aatcagtcat gcctagtagt gaagcctcta aaaaccggaa aggggccggg ttgcgcggcg 780
cacgcctgta ctcccggcac tttgggaggc tgaggcagat ggatcgcaag gtcaagagat 840
tgagaccage etggeegace tggegaaace etgtetetae taaaaatatg aaaattaget 900
gggcgtggtg cgtgcgcctg tagtccccgg gaggctgagg caggagaatc gcttgaaccc 960
gggaggcaga ggttgcagtg agccgagatt gtgccactgc actccaccct gggtgacaga 1020
gtgaaactct gtctcaaaaa agaaaaaaaa acccgagagg aggagtttgg agacattcta 1080
gatagctgaa ggcatggagg ctgcccacag gatggtctgc caggcctctt cccggtacct 1140
```

```
ttccctgtgc atcttttcat ctgtactctt tgtactaccc tttgttaata aactggtaaa 1200
tgtgtttcca tgagttctgt gagctgctct aacaaattaa tcaaattcaa ggagggggtc 1260
atgggaacgc tgatctaacc agttggtgag aaacacagat aaaacaacct ggggcttacg 1320
actggcatca gaattggggg cagccttgtg agactgagcc ctaaacctgt gacacattat 1380
ctccaggtag atagtgttgg aattgaattg ggggataccc agctgtgtcc accgcaaaat 1440
tgcttgcttg gttgttggtg gagagaaagc cccacaaaca cttcttggtg accacaggtt 1500
acagaagtat tttgtgttgt gagagtatag taggaaagaa gatttgtttt tttgccgggc 1560
geggtggete aegeetgtaa teecageeet ttgggagget gaggegggeg gateaecagg 1620
tcaggagatc aagaccatcc tggctaacac agtgaaaccc tgtctctact aaaaatacaa 1680
aaaattagcc gggcgaggtg gcacgtgtct gtagtccaag ctacttggga ggctgaggca 1740
ggagaatggc atgaacccag gaggtggagc ttgcagtgag gcaagatcac gccactgcac 1800
tccagtctgg gcaacagagc aagactccgt ctcaaaaaaa aaaaaaaaa aaaagatttg 1860
ttttttcctc tgcaggttgg atgtgggaaa tgaagaaaaa gaaatggagg atgatgccta 1920
ggtttttggc ctatgtaacg ggaaaagtgg gagaggaaca ggttggggga ggaaaatgaa 1980
gagttetttt etettetggt tteeetgeee teeeatteaa aageeaggaa atttetaeag 2040
ctaggcagga tgattggctc cggcattcct taatttcagt cctcaaaatc aagagcttac 2100
acceteaggg atettettge agtagaggga agggtggtga egtacagtga aaaacatgtt 2160
ggccttcttc atactgagtt tgagtcccac ttctgccatt tctttctttc atgaccttgt 2220
gcaagtcacg actttccaag ctgcaatttc ctcatctgtt aggttgaatg ttgagaactt 2280
cccggtagga ttgttatgag cattaactgc gtgtttactt tgtgctgtgt cttgttctaa 2340
gtgtattatg gatagtcact agtttaatcc tcatatcaaa tggatgaggt gtaggtacta 2400
ctatttacac tctctgacag ataaggaaac tgaggtatag aaggttatta agtaggttgc 2460
ccactgtcat aagccagtaa atggaggagc tgtatttgaa ttctggcagg ctccagaatc 2520
ctgggcctgg gttcttagct gctaagtgct tctcccttta aagtgtgaaa agcgcctgcc 2580
catcatgggt tctcaagtgt tcgttctgat gtctcctcca ttgtctgacc ttcctccctt 2640
accccgaaga accgaaacat gcagatcctg agcttgccca caatctaggc cttgggtctt 2700
ctgttctttc acttggttcc cttacctgtg tctctgttcc tctctagaac cttcatggca 2760
aaaggcaaga cttctgtttg ttgtacctga cctgtggcac tatctcttta ggtggacatc 2820
ttcaataagg agctactgct aatccccatc cacctggagg tgcattggtc cctcatctct 2880
gttgatgtga ggcgacgcac catcacctat tttgactcgc agcgtaccct aaaccgccgc 2940
tgccctaagg tttgaggggg taggagaga atgggcaaaa tgtggggcgg tgcagtggca 3000
aggcattgca ggaagaaggg tgggctttgg gtctttgagg ggcgacctgg gcatggtgtc 3060
tgccagcact gtacccacca tactgtgttc aattgagaaa cttagggcat cactttcttt 3120
tcccccatcc acatagcata ttgccaagta tctacaggca gaggcggtaa agaaagaccg 3180
actggatttc caccagggct ggaaaggtta cttcaaaatg gtgagtttcc tgagggaggg 3240
gtatagggtg ttggtgggga cagtggtaga aggcagaaat tgaagtccta cccctgggag 3300
tctccatgtg aagggcctgc tttctttctc ttctctagaa tgtggccagg cagaataatg 3360
acagtgactg tggtgctttt gtgttgcagg taagcagatg atggggccac ctcctctagc 3420
totgaagtoa gttgggttaa agggtoggga ggotgttatg catcocctca tttggotcat 3480
agtcagttgt ggagcaggaa gtaatctgtt ttagaacacc aaaacactgg cttcactggt 3540
tetettetgg aetteteeat eccaeattgg gaetgggtet etaggtettt tggetetgge 3600
cttcatagag ctccctgcta acctccaact cagtgtattt tctccatcta aaacattcta 3660
tcaagtaaga acactagett tagagteagg etgtttttga acceeagget gtgggaeeet 3720
```

ggctcccttt ggggatgttc tctgaaggat ggagacacat ctcatatgaa atgtgtagca 3780 caggtcctga cacgggggt ttctcatggc ttgctttgtt aacacccagt actgcaagca 3840 tetggeeetg teteageeat teagetteae eeageaggae atgeeeaaae ttegteggea 3900 gatctacaag gagctgtgtc actgcaaact cactgtgtga gcctcgtacc ccagacccca 3960 agcccataaa tgggaaggga gacatgggag tcccttccca agaaactcca gttcctttcc 4020 tctcttgcct cttcccactc acttcccttt ggtttttcat atttaaatgt ttcaatttcg 4080 tgtatttttt tttctttgag agaatacttg tntatttctg atgtgcaggg gatggctaca 4140 gaaaagcccc tttcttcctc tgtttgcagg ggagtgtggc cctgtggccc tgggtggagc 4200 agtcatcctc ccccttcccc qtqcagggag caggaawtca gngatggggg gnggggggcg 4260 gacaatagga tnacagcccg ccagatatnc atatatata atatatat atatatat 4320 atatatata atatatat atatatata atatatata atatataaa atgccacggt 4380 cctgctctgg tcaataaagg atcctttgtt gatacgtaag tggtggtctt ccttaagggg 4440 cttcaaatta gtggatatgc ttagctcaga ccttccagcc agtntcttga gactaaaggg 4500 ttcagctttc catccctggc tcaggcactg ccaacacctt gtcttcaccc aaacaaatcc 4560 cccagatggg agcagagagc aggaaggagg gaaagtagat aagcctcaag aataagggca 4620 tccgagaggg aagcgtgggg aactggacac aagggactgg ggaggggacc aaccaggatt 4680 catgatagta ccccaaagcc ctttacagtt ttyttccatc cctccaccat ccagccaggg 4740 gaatcctccc atccctacga tatcgctgtt gatttccttc atcccctggc acacgtccag 4800 gcagtgtcga atccatctct gctacagggg aaaaacaaat aacatttgag tccagtggag 4860 accgggagca gaagtaaagg gaagtgataa cccccagagc ccggaagcct ctggaggctg 4920 agacctcgcc ccccttgcgt gatagggcct acggagccac atgaccaagg cactgtcgcc 4980 tccgcacgtg tgagagtgca gggccccaag atggctgcca ggcctcgagg cctgactctt 5040 ctatgtcact teegtacegg egagaaagge gggeeeteea gecaatgagg etgegggeg 5100 ggccttcacc ttgataggca ctcgagttat ccaatggtgc ctgcgggccg gagcgactag 5160 gaactaacgt catgccgagt tgctgagcgc cggcaggcgg ggccggggcg gccaaaccaa 5220 tgcgatggcc ggggcggagt cgggcgctct ataagttgtc gatgggcggg cactccgccc 5280 5318 tagtttctaa ggatcatgtc tgcgagccag gattcccg <210> 41 <211> 7

```
<210> 41
<211> 7
<212> PRT
<213> Homo sapiens
<220>
<223> Primer
<400> 41
Met Ser Ala Ser Gln Asp Ser
1
```

<210> 42 <211> 20

<212> DNA	
<213> Homo sapiens	
<220>	
<223> Primer	
<400> 42	
aggattcccg gtaagaaagg	20
<210> 43	
<211> 20	
<212> DNA	
<213> Homo sapiens	
<220>	
<223> Primer	
<400> 43	
aaaccaacag atccagagac	20
<210> 44	
<211> 20	
<212> DNA	
<213> Homo sapiens	
<220>	
<223> Primer	
<400> 44	
cgtcatcgag gtgagactgg	20
<210> 45	
<211> 20	
<212> DNA	
<213> Homo sapiens	
<220>	
<223> Primer	
<400> 45	
catcccctag agtaactgga	20

<210> 46

<211> 20	
<212> DNA	
<213> Homo sapiens	
<220>	
<223> Primer	
<400> 46	
tgtatcaagg gtgagacctc	20
<210> 47	
<211> 20	
<212> DNA	
<213> Homo sapiens	
<220>	
<223> Primer	
<400> 47	20
atttgtttag gttatgatgt	20
(010) 40	
<210> 48	
<211> 20	
<212> DNA <213> Homo sapiens	
<220>	•
<223> Primer	
Naco IIImei	
<400> 48	
ggctcagcag gtaagagtgg	20
<210> 49	
<211> 20	
<212> DNA	
<213> Homo sapiens	
<220>	
<223> Primer	
<400> 49	
ctctgctcag atacagaagg	20

```
<210> 50
<211> 20
<212> DNA
<213> Homo sapiens
<220>
<223> Primer
<400> 50
                                                                     20
agatacctgt gtgagtaatt
<210> 51
<211> 20
<212> DNA
<213> Homo sapiens
<220>
<223> Primer
<400> 51
                                                                     20
tcttctctag cccccaaata
<210> 52
<211> 20
<212> DNA
<213> Homo sapiens
<220>
<223> Primer
<400> 52
                                                                     20
caacacccag gtgagggcag
<210> 53
<211> 20
<212> DNA
<213> Homo sapiens
<220>
<223> Primer
<400> 53
```

tttccactag gtagttttgc

20

```
<210> 54
<211> 20
<212> DNA
<213> Homo sapiens
<220>
<223> Primer
<400> 54
                                                                     20
ggaacgagag gtggggccca
<210> 55
<211> 20
<212> DNA
<213> Homo sapiens
<220>
<223> Primer
<400> 55
                                                                     20
caacctccag gagtggaagc
<210> 56
<211> 20
<212> DNA
<213> Homo sapiens
<220>
<223> Primer
<400> 56
                                                                     20
atccgccatg gtgtgtttgc
<210> 57
<211> 20
<212> DNA
<213> Homo sapiens
<220>
<223> Primer
```

<400> 57

tctcttccag (catggagata	20
<210> 58		
<211> 20		
<212> DNA		
<213> Homo :	sapiens	
<220>		
<223> Prime:	r	
<400> 58		
tgacctgctg (gtgagtagag	20
<210> 59		
<211> 20		
<212> DNA		
<213> Homo	sapiens	
40005		
<220>		
<223> Prime	r	
<400> 59		
cttgacgtag	αςςασασαςα	20
	gg- 33	
<210> 60		
<211> 20		
<212> DNA		
<213> Homo	sapiens	
<220>		
<223> Prime	r	
<400> 60		
atatccacag	gtaagcgtag	20
<210> 61		
<211> 20		
<212> DNA		
<213> Homo	sapiens	
<220>		
<220>		

<223> Primer

<400> 61	
tgttttccag aatcggtcga	20
<210> 62	
<211> 31	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Primer	
<400> 62	
atctggtacc ggaaatcaac agcgatatcg t	31

.